

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/054,728

Source: 0186

Date Processed by STIC: 10/28/04

ENTERED



OIPE

RAW SEQUENCE LISTING

DATE: 10/28/2004

PATENT APPLICATION: US/10/054,728

TIME: 10:36:12

Input Set : D:\71726 SEQ List Patent-In.ST25.txt

Output Set: N:\CRF4\10282004\J054728.raw

3 <110> APPLICANT: Fagnani, Robert
 4 Hahn, Soonkap
 5 Dong, Xiaofan
 6 Pircher, Tony
 7 Matsumoto, Sandra
 8 Tsienberg, Pavel
 10 <120> TITLE OF INVENTION: Three Dimensional Format Biochips
 12 <130> FILE REFERENCE: 71726/6776
 14 <140> CURRENT APPLICATION NUMBER: 10/054,728
 15 <141> CURRENT FILING DATE: 2001-10-25
 17 <150> PRIOR APPLICATION NUMBER: 60/243,699
 18 <151> PRIOR FILING DATE: 2000-10-26
 20 <150> PRIOR APPLICATION NUMBER: PCT/US001/11282
 21 <151> PRIOR FILING DATE: 2000-04-26
 23 <150> PRIOR APPLICATION NUMBER: 09/299,831
 24 <151> PRIOR FILING DATE: 1999-04-26
 26 <160> NUMBER OF SEQ ID NOS: 45
 28 <170> SOFTWARE: PatentIn version 3.3
 30 <210> SEQ ID NO: 1
 31 <211> LENGTH: 12
 32 <212> TYPE: DNA
 33 <213> ORGANISM: Homo Sapiens
 35 <400> SEQUENCE: 1
 36 cattgctcaa ac 12
 39 <210> SEQ ID NO: 2
 40 <211> LENGTH: 16
 41 <212> TYPE: DNA
 42 <213> ORGANISM: Homo Sapiens
 44 <400> SEQUENCE: 2
 45 ccgtttgagc aatgat 16
 48 <210> SEQ ID NO: 3
 49 <211> LENGTH: 12
 50 <212> TYPE: DNA
 51 <213> ORGANISM: Homo Sapiens
 53 <400> SEQUENCE: 3
 54 cctaagttca tc 12
 57 <210> SEQ ID NO: 4
 58 <211> LENGTH: 12
 59 <212> TYPE: DNA
 60 <213> ORGANISM: Homo Sapiens
 62 <400> SEQUENCE: 4
 63 tatctcttat ag 12
 66 <210> SEQ ID NO: 5

RAW SEQUENCE LISTING

DATE: 10/28/2004

PATENT APPLICATION: US/10/054,728

TIME: 10:36:12

Input Set : D:\71726 SEQ List Patent-In.ST25.txt

Output Set: N:\CRF4\10282004\J054728.raw

```

67 <211> LENGTH: 12
68 <212> TYPE: DNA
69 <213> ORGANISM: Homo Sapiens
71 <400> SEQUENCE: 5
72 ctatcgtact ga 12
75 <210> SEQ ID NO: 6
76 <211> LENGTH: 12
77 <212> TYPE: DNA
78 <213> ORGANISM: Homo Sapiens
80 <400> SEQUENCE: 6
81 ttccttcacg ag 12
84 <210> SEQ ID NO: 7
85 <211> LENGTH: 12
86 <212> TYPE: DNA
87 <213> ORGANISM: Homo Sapiens
89 <400> SEQUENCE: 7
90 attattccac gg 12
93 <210> SEQ ID NO: 8
94 <211> LENGTH: 12
95 <212> TYPE: DNA
96 <213> ORGANISM: Homo Sapiens
98 <400> SEQUENCE: 8
99 atctccgaac ta 12
102 <210> SEQ ID NO: 9
103 <211> LENGTH: 12
104 <212> TYPE: DNA
105 <213> ORGANISM: Homo Sapiens
107 <400> SEQUENCE: 9
108 ccttattatg ca 12
111 <210> SEQ ID NO: 10
112 <211> LENGTH: 12
113 <212> TYPE: DNA
114 <213> ORGANISM: Homo Sapiens
116 <400> SEQUENCE: 10
117 acgcttcctc ag 12
120 <210> SEQ ID NO: 11
121 <211> LENGTH: 12
122 <212> TYPE: DNA
123 <213> ORGANISM: Homo Sapiens
125 <400> SEQUENCE: 11
126 gacttccatc gg 12
129 <210> SEQ ID NO: 12
130 <211> LENGTH: 12
131 <212> TYPE: DNA
132 <213> ORGANISM: Homo Sapiens
134 <400> SEQUENCE: 12
135 cgtaccttgt aa 12
138 <210> SEQ ID NO: 13
139 <211> LENGTH: 12

```

RAW SEQUENCE LISTING

DATE: 10/28/2004

PATENT APPLICATION: US/10/054,728

TIME: 10:36:12

Input Set : D:\71726 SEQ List Patent-In.ST25.txt

Output Set: N:\CRF4\10282004\J054728.raw

```

140 <212> TYPE: DNA
141 <213> ORGANISM: Homo Sapiens
143 <400> SEQUENCE: 13
144 ctaaacctcc aa 12
147 <210> SEQ ID NO: 14
148 <211> LENGTH: 12
149 <212> TYPE: DNA
150 <213> ORGANISM: Homo Sapiens
152 <400> SEQUENCE: 14
153 ctagctatct gg 12
156 <210> SEQ ID NO: 15
157 <211> LENGTH: 12
158 <212> TYPE: DNA
159 <213> ORGANISM: Homo Sapiens
161 <400> SEQUENCE: 15
162 taattccatt gc 12
165 <210> SEQ ID NO: 16
166 <211> LENGTH: 12
167 <212> TYPE: DNA
168 <213> ORGANISM: Homo Sapiens
170 <400> SEQUENCE: 16
171 attccgatcc ag 12
174 <210> SEQ ID NO: 17
175 <211> LENGTH: 12
176 <212> TYPE: DNA
177 <213> ORGANISM: Homo Sapiens
179 <400> SEQUENCE: 17
180 ttagttattc ga 12
183 <210> SEQ ID NO: 18
184 <211> LENGTH: 12
185 <212> TYPE: DNA
186 <213> ORGANISM: Homo Sapiens
188 <400> SEQUENCE: 18
189 aagttcatct cc 12
192 <210> SEQ ID NO: 19
193 <211> LENGTH: 12
194 <212> TYPE: DNA
195 <213> ORGANISM: Homo Sapiens
197 <400> SEQUENCE: 19
198 ttcattctccg aa 12
201 <210> SEQ ID NO: 20
202 <211> LENGTH: 12
203 <212> TYPE: DNA
204 <213> ORGANISM: Homo Sapiens
206 <400> SEQUENCE: 20
207 ccgaactaaa cc 12
210 <210> SEQ ID NO: 21
211 <211> LENGTH: 12
212 <212> TYPE: DNA

```

RAW SEQUENCE LISTING

DATE: 10/28/2004

PATENT APPLICATION: US/10/054,728

TIME: 10:36:12

Input Set : D:\71726 SEQ List Patent-In.ST25.txt

Output Set: N:\CRF4\10282004\J054728.raw

```

213 <213> ORGANISM: Homo Sapiens
215 <400> SEQUENCE: 21
216 aactaaacct cc 12
219 <210> SEQ ID NO: 22
220 <211> LENGTH: 12
221 <212> TYPE: DNA
222 <213> ORGANISM: Homo Sapiens
224 <400> SEQUENCE: 22
225 ctaaactgtcc aa 12
228 <210> SEQ ID NO: 23
229 <211> LENGTH: 30
230 <212> TYPE: DNA
231 <213> ORGANISM: Homo Sapiens
233 <400> SEQUENCE: 23
234 ttggagggttt agttcggaga tgaacttagg 30
237 <210> SEQ ID NO: 24
238 <211> LENGTH: 32
239 <212> TYPE: DNA
240 <213> ORGANISM: Homo Sapiens
242 <400> SEQUENCE: 24
243 tttacggtag aggtcactgt gacctctacc cg 32
246 <210> SEQ ID NO: 25
247 <211> LENGTH: 32
248 <212> TYPE: DNA
249 <213> ORGANISM: Homo Sapiens
251 <400> SEQUENCE: 25
252 tttacggtag aggtcactgt atggtctacc cg 32
255 <210> SEQ ID NO: 26
256 <211> LENGTH: 12
257 <212> TYPE: PRT
258 <213> ORGANISM: Homo Sapiens
261 <220> FEATURE:
262 <221> NAME/KEY: misc_feature
263 <222> LOCATION: (5)..(5)
264 <223> OTHER INFORMATION: Xaa is pTyr
266 <400> SEQUENCE: 26
W--> 268 Thr Arg Asn Ile Xaa Gln Thr Asn Tyr Tyr Arg Lys
269 1 5 10
272 <210> SEQ ID NO: 27
273 <211> LENGTH: 11
274 <212> TYPE: PRT
275 <213> ORGANISM: Homo Sapiens
278 <220> FEATURE:
279 <221> NAME/KEY: misc_feature
280 <222> LOCATION: (5)..(5)
281 <223> OTHER INFORMATION: Xaa is pTyr
283 <400> SEQUENCE: 27
W--> 285 Asp Ala Asp Glu Xaa Leu Ile Pro Gln Gln Gly
286 1 5 10

```

RAW SEQUENCE LISTING

DATE: 10/28/2004

PATENT APPLICATION: US/10/054,728

TIME: 10:36:12

Input Set : D:\71726 SEQ List Patent-In.ST25.txt

Output Set: N:\CRF4\10282004\J054728.raw

```

289 <210> SEQ ID NO: 28
290 <211> LENGTH: 10
291 <212> TYPE: PRT
292 <213> ORGANISM: Homo Sapiens
295 <220> FEATURE:
296 <221> NAME/KEY: misc_feature
297 <222> LOCATION: (4)..(4) ✓
298 <223> OTHER INFORMATION: Xaa is pTyr
300 <400> SEQUENCE: 28
W--> 302 Glu Asn Asp Xaa Leu Ile Asn Ala Ser Leu
303 1 5 10
306 <210> SEQ ID NO: 29
307 <211> LENGTH: 12
308 <212> TYPE: PRT
309 <213> ORGANISM: Homo Sapiens
311 <400> SEQUENCE: 29
313 Thr Arg Asn Ile Tyr Gln Thr Asn Tyr Tyr Arg Lys
314 1 5 10
317 <210> SEQ ID NO: 30
318 <211> LENGTH: 13
319 <212> TYPE: PRT
320 <213> ORGANISM: Homo Sapiens
322 <400> SEQUENCE: 30
324 Thr Ser Thr Gly Pro Gln Tyr Gln Pro Gly Glu Asn Leu
325 1 5 10
328 <210> SEQ ID NO: 31
329 <211> LENGTH: 13
330 <212> TYPE: PRT
331 <213> ORGANISM: Homo Sapiens
334 <220> FEATURE:
335 <221> NAME/KEY: misc_feature
336 <222> LOCATION: (7)..(7) ✓
337 <223> OTHER INFORMATION: Xaa is pTyr
339 <400> SEQUENCE: 31
W--> 341 Thr Ser Thr Glu Pro Gln Xaa Gln Pro Gly Gly Asn Leu
342 1 5 10
345 <210> SEQ ID NO: 32
346 <211> LENGTH: 11
347 <212> TYPE: PRT
348 <213> ORGANISM: Homo Sapiens
351 <220> FEATURE:
352 <221> NAME/KEY: misc_feature
353 <222> LOCATION: (4)..(4)
354 <223> OTHER INFORMATION: Xaa is pTyr ✓
356 <400> SEQUENCE: 32
W--> 358 Ser Val Leu Xaa Thr Ala Val Gln Pro Asn Glu
359 1 5 10
362 <210> SEQ ID NO: 33
363 <211> LENGTH: 13

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/054,728

DATE: 10/28/2004
TIME: 10:36:13

Input Set : D:\71726 SEQ List Patent-In.ST25.txt
Output Set: N:\CRF4\10282004\J054728.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:26; Xaa Pos. 5
Seq#:27; Xaa Pos. 5
Seq#:28; Xaa Pos. 4
Seq#:31; Xaa Pos. 7
Seq#:32; Xaa Pos. 4
Seq#:33; Xaa Pos. 9
Seq#:34; Xaa Pos. 7
Seq#:35; Xaa Pos. 4
Seq#:38; Xaa Pos. 9
Seq#:39; Xaa Pos. 2
Seq#:40; Xaa Pos. 7

VERIFICATION SUMMARY

DATE: 10/28/2004

PATENT APPLICATION: US/10/054,728

TIME: 10:36:13

Input Set : D:\71726 SEQ List Patent-In.ST25.txt

Output Set: N:\CRF4\10282004\J054728.raw

L:268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0